

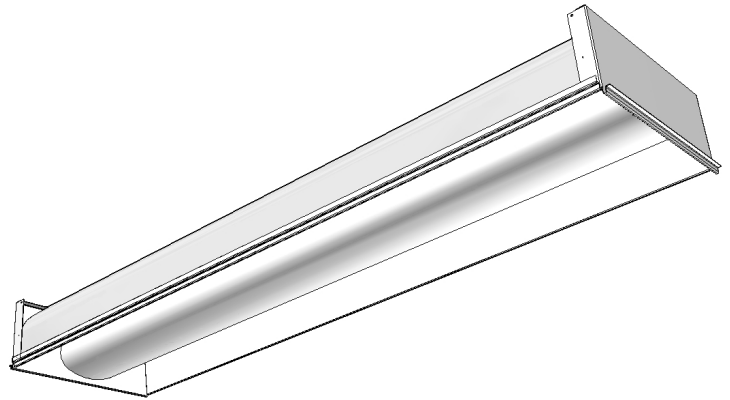
HP90 Recessed Fluorescent **H9S1GLR254 or 154**

Page 1 of 2

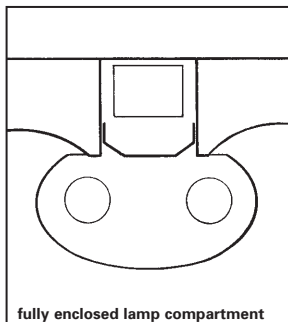
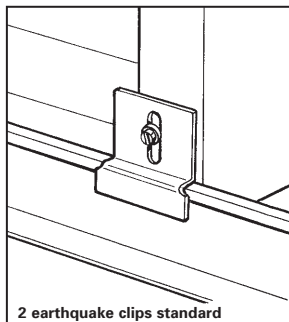
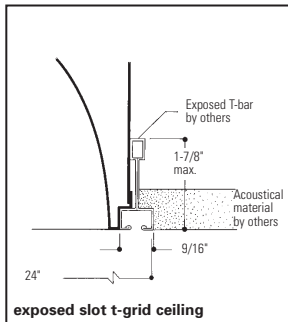
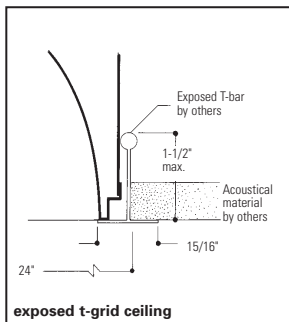
Direct/Indirect – 1' x 4' with Acrylic Linear Prismatic Lens
Static, 1 or 2 Lamp T5

Features

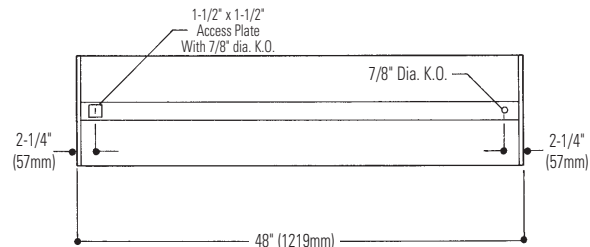
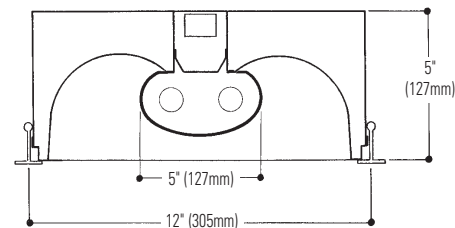
- 77.9% efficient (2 lamp, 54W).
- 79.1% efficient (1 lamp, 54W).
- Direct/indirect appearance with soft contoured interior.
- Lens encloses lamp compartment.
- Translucent DR acrylic linear prismatic lens.
- Tension screws secure ends to body.
- Same fixture fits both G and T ceiling types.
- Fits flush to face of slot grid (T) ceiling types.
- Lamp shield opens from either side.
- 95% reflective specular aluminum reflector.
- Ballast accessible from room side.
- 2 earthquake clips standard.
- Can be continuous row mounted.
- Wiring access plate standard.
- Optional DALI ballast i GEN TECHNOLOGY accepts digital dimming controllers, scene controllers and automatic control devices.
- Construction to meet NYC Code or Chicago Plenum available.



Mounting Methods



Dimensions



Job Information

Type:

Job Name:

Cat. No.:

Lamp(s):

Volts/Ballast:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

631 Airport Road, Fall River, MA 02720 • (508) 679-8131 • Fax (508) 674-4710

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Section 5/Folio M32-21



HP90 Recessed Fluorescent **H9S1GLR254 or 154**

Page 2 of 2

Direct/Indirect – 1' x 4' with Acrylic Linear Prismatic Lens
Static, 1 or 2 Lamp T5

Model No. H9S1GLR154UNVPG

LER = FP - 56.9 IW - 61.0 BF - 1.0
Comparative yearly lighting energy cost per
1000 lumens = \$4.21

Report Number: G2006142
Catalog Number: H9S1GLR154UNVPG
Lamps: F54 T5 HO
Luminaire: HP90 1' x 4' with linear
prismatic lens.
Ballast: Advance ICN-2S54-90C
Report is based on 4400 Lumens per lamp.
Efficiency: 79.1%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.3 1.3
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.760 11.760

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	1303	1303	1303	
5	1288	1304	1319	124
15	1249	1286	1305	363
25	1175	1202	1207	552
35	1059	1036	1023	649
45	880	819	850	647
55	633	609	632	548
65	365	369	383	373
75	160	179	178	189
85	29	31	28	37
90	2	2	2	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	80	50	30	50	30	10
RW	70	50	30	50	30	10
1	87	83	80	78	76	73
2	79	73	68	69	65	61
3	72	64	58	61	56	52
4	66	57	51	54	49	44
5	61	51	44	49	43	39
6	57	46	39	44	38	34
7	52	42	35	40	34	30
8	49	38	32	37	31	27
9	46	35	29	34	28	24
10	43	33	26	31	26	22

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	3483.	3195.	3316.
55	3044.	2929.	3040.
65	2383.	2408.	2500.
75	1705.	1908.	1897.
85	918.	981.	886.

Model No. H9S1GLR254UNVPG

LER = FP - 62.9 IW - 109.0 BF - 1.0
Comparative yearly lighting energy cost per
1000 lumens = \$3.82

Report Number: G2006165
Catalog Number: H9S1GLR254UNVPG
Lamps: F28 T5 HO
Luminaire: HP90 1' x 4' with linear
prismatic lens.
Ballast: B2541 UNV-E
Report is based on 4400 Lumens per lamp.
Efficiency: 77.9%
CIE Type-Direct-Indirect
Plane: 0-Deg 90-Deg
Spacing Criteria: 1.2 1.3
Shielding Angles: 90 90
Plane: 0-Deg 90-Deg
Luminous Length: 46.800 10.800

CANDELA DISTRIBUTION

	0.0	45.0	90.0	FLUX
0	2472	2472	2472	
5	2443	2467	2491	236
15	2358	2452	2533	693
25	2189	2362	2406	1073
35	1936	2082	2071	1282
45	1601	1662	1641	1272
55	1180	1203	1188	1071
65	716	746	766	748
75	324	375	377	394
85	63	78	74	90
90	15	15	15	

COEFFICIENTS OF UTILIZATION – ZONAL CAVITY METHOD. EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

RC	70	80	50	50	30	10
RW	70	50	30	50	30	10
1	85	82	78	77	74	72
2	78	72	66	67	63	60
3	71	63	57	60	55	51
4	65	56	49	53	48	43
5	60	50	43	48	42	38
6	55	45	38	43	37	33
7	51	41	34	39	34	29
8	48	38	31	36	30	26
9	45	34	28	33	28	24
10	42	32	26	31	25	21

ZONAL LUMEN SUMMARY

ZONE	LUMENS	% LAMP	% FIXT
0- 30	2002	22.7	29.2
0- 40	3283	37.3	47.9
0- 60	5626	63.9	82.0
0- 90	6858	77.9	100.0
90-180	0	0.0	0.0
0-180	6858	77.9	100.0

LUMINANCE DATA IN CANDELA/SQ. METER

AVERAGE IN DEG.	AVERAGE 0-DEG.	AVERAGE 45-DEG.	AVERAGE 90-DEG.
45	6941.	7205.	7114.
55	6307.	6430.	6349.
65	5194.	5411.	5556.
75	3838.	4442.	4465.
85	2216.	2743.	2603.

Ordering Information

Explanation of Catalog Number: Example: H9S1GLR154UNVPGGLR

H9 HP90 Direct/Indirect Recessed	S Body Style: S = Static	1 Fixture Width	G Ceiling Type: Fits both Standard Grid and Slot Grid	L Acrylic Lens	R Reflector: Specular Aluminum	54 Lamp Quantity 1=1 Lamp 2=2 Lamp	54 Lamp: (By Others) 54=T5 54W (Nominal 48")	120, 277 or UNV=120-277 Voltage:	Ballast Type: <20THD <10THD PG ++ PG ++ ++Program Rapid Start (UNV only)	Options: Add appropriate suffix to catalog no., ie: (GLR)
H9 Standard HP90										
HY For NYC Code – I.B.E.W. Manufactured										
HN For NYC Code – Local 3 Manufactured										

Options/Accessories

Fusing: Internal fast blow fusing: SUFFIX: **GLR**.
Internal slow blow fusing: SUFFIX: **GMF**.

Drywall Kit: Order Catalog Number: **FK91X4**.

Electrical Wiring Options: Consult factory.

Optional motion or light sensor: Request Folio OA20-10.

Specifications

Performance: In an installation of 2 lamp 54W luminaires in a room cavity ratio of 1, with reflectance 80% ceiling, 50% wall, 20% floor, the C.U. shall not be less than .83. To reduce glare the average brightness at 65° shall not exceed 2500 candelas per square meter. To control veiling reflections, luminaire output in the 30°-90° zone shall not be less than 70.2%.

Materials: Chassis parts are die-formed code gauge steel.

Lamp Shield: Linear prismatic translucent DR acrylic lens.

Finish: Chassis exterior – baked white acrylic enamel. Cavity – baked flat white acrylic enamel. Reflector – low iridescence specular aluminum 95% reflectance. Phosphate undercoating.

Specifications (continued)

Electrical: Thermally protected class "P" ballast C.B.M. approved, non PCB. If K.O. is within 3" of ballast, use wire suitable for at least 90°.

UL Listed for damp locations.

Labels: I.B.E.W./UL and ULc Listed.

This product may have a mercury containing lamp. Manage in accord with Disposal Laws. See: www.lamprecycle.org

Job Information

Type:

Lightolier a Genlyte company

www.lightolier.com

Technical Information: (978) 657-7600 • Fax (978) 658-0595

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